

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	363	585/809.ccls.	USPAT	OR	OFF	2007/08/15 09:59
S2	131	S1 and catalyst	USPAT	OR	OFF	2006/10/27 14:12
S3	450	585/820.ccls.	USPAT	OR	OFF	2006/10/27 15:15
S4	63941	catalyst.ab.	USPAT	OR	ON	2006/10/27 14:55
S5	42	S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/27 14:55
S6	396	585/833.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 15:26
S7	18	S6 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 15:16
S8	329	585/852.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 15:33
S9	20	S8 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 15:26
S10	250	585/853.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 15:35
S11	8	S10 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 15:33
S12	385	585/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 15:43

## EAST Search History

S13	9	S12 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 15:35
S14	339	208/262.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 16:13
S15	45	S14 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 16:12
S16	158	208/297.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 16:15
S17	8	S16 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 16:13
S18	448	208/299.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 16:39
S19	35	S18 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 16:15
S20	509	208/309.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 16:39
S21	17	S20 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 17:06
S22	475553	catalyst.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/27 17:09

## EAST Search History

S23	1901643	silicate or oxide or clay.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/27 17:11
S24	128276	S22 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/27 17:11
S25	415336	removal.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/27 17:11
S26	4938	S24 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/27 17:12
S27	1760	\$olefin and catalyst and removal.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/27 17:13
S28	80829	silicate.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/27 17:22
S29	23	S27 and S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/27 17:13
S30	725080	oxide.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/27 17:22
S31	206	S27 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 10:21
S32	1	("5231164").PN.	USPAT; USOCR	OR	OFF	2006/10/30 10:23
S33	1	("4675463").PN.	USPAT; USOCR	OR	OFF	2006/10/30 10:29
S34	1	("4338477").PN.	USPAT; USOCR	OR	OFF	2006/10/30 10:34

## EAST Search History

S35	1	("4027087").PN.	USPAT; USOCR	OR	OFF	2006/10/30 10:38
S36	0	"94302304.4"	USPAT	OR	OFF	2006/10/30 10:38
S37	0	"94302304.4"	USPAT; EPO	OR	OFF	2006/10/30 10:38
S38	55	kneale.in.	USPAT; EPO	OR	OFF	2006/10/30 10:39
S39	2293	sharp.in.	USPAT; EPO	OR	OFF	2006/10/30 10:39
S40	1	S38 and S39	USPAT; EPO	OR	OFF	2006/10/30 11:06
S41	1457	halogen same low same pressure same remove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:08
S42	574963	low with pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:08
S43	536	S41 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:09
S44	48514	"585"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:09
S45	40	S43 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:11
S46	3801	remove with halogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:11
S47	495	S42 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:22

## EAST Search History

S48	7	stripping with aluminum with bromide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/30 11:27
S49	1	("5712214").PN.	USPAT; USOCR	OR	OFF	2006/10/30 11:31
S50	328403	low adj pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:32
S51	10721	S50 and stripping	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:32
S52	931	S50 with stripping	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:32
S53	33	S52 and halogen and removal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:41
S54	3638	vacuum adj stripping	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:42
S55	1169	S54 and halogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:42
S56	676	S55 and removal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:45
S57	572	S55 and removal and catalyst	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:50
S58	168	S57 and aluminum and bromide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 11:50

## EAST Search History

S59	4	bromine with stripping with temperature with pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 15:14
S60	366	bromine same stripping same temperature same pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 15:15
S61	267	S60 and catalyst	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 15:15
S62	145	S61 and removal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 15:21
S63	66	S62 and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/30 16:45
S64	2	("3567795").PN.	USPAT; USOCR	OR	OFF	2006/10/30 16:46
S65	1	("6710140").PN.	USPAT; USOCR	OR	OFF	2006/10/30 16:46
S66	1	("5712214").PN.	USPAT; USOCR	OR	OFF	2006/10/30 16:47
S67	49	wettling.in.	US-PGPUB; USPAT	OR	OFF	2006/10/31 14:11
S68	225	borchers.in.	US-PGPUB; USPAT	OR	OFF	2006/10/31 14:12
S69	10	S67 and S68	US-PGPUB; USPAT	OR	OFF	2006/10/31 12:46
S70	158	wettling.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/31 14:11
S71	630	borchers.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/31 14:12

## EAST Search History

S72	25	S70 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/31 15:24
S73	2	("2475328").PN.	USPAT; USOCR	OR	OFF	2006/10/31 14:50
S74	1	("4338477").PN.	USPAT; USOCR	OR	OFF	2006/10/31 14:50
S75	2	("3567795").PN.	USPAT; USOCR	OR	OFF	2006/10/31 15:27
S76	1	("5712214").PN.	USPAT; USOCR	OR	OFF	2006/10/31 15:27
S77	1	("3567795").URPN.	USPAT	OR	OFF	2006/10/31 15:29
S78	1	("3567795").URPN.	USPAT	OR	OFF	2006/10/31 15:30
S79	26	("2893982"   "3531448"   "3567795"   "3780137"   "3780138"   "3793306"   "3793307"   "4098991"   "4362650"   "4567251"   "4595749"   "4618413"   "4659684"   "4808299").PN. OR ("4952304").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/31 15:30
S80	9	("2291510"   "4213001"   "4384162"   "4433197"   "4547620"   "5196630"   "5286823"   "5556932").PN. OR ("6846903").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/31 15:34
S81	5538	(sodium adj silicate) and ((calcium adj silicate) or (magnesium adj silicate) or (aluminum adj silicate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:48
S82	48748	"585"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:49
S83	60	S81 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/09 12:49
S84	439	adsorbent near10 (magnesium adj silicate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:08
S85	64	S84 and ((aluminum adj oxide) or (aluminum adj oxides))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:04
S86	0	S85 and "585"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 14:51

## EAST Search History

S87	1	("6274777").PN.	USPAT; USOCR	OR	OFF	2007/03/09 15:04
S88	129368	adsorption	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:08
S89	20979	(magnesium adj silicate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:13
S90	108419	(aluminum adj oxide)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:09
S91	547	S88 and S89 and S90	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:09
S92	9	S91 and "585"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:10
S93	226	S89 and S90 and adsorbent	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:10
S94	119	S93 and hydrocarbon	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:10
S95	1707	S89 same S90	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:13
S96	1379	S89 with S90	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:13
S97	226	S96 and (adsorption or adsorbent)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/09 15:14
S98	1	("5061502").PN.	USPAT; USOCR	OR	OFF	2007/03/09 15:31
S99	1	("5712214").PN.	USPAT; USOCR	OR	OFF	2007/05/11 09:47
S10 0	1	("5061502").PN.	USPAT; USOCR	OR	OFF	2007/08/15 10:05
S10 1	1	("20030162918").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/15 10:05
S10 2	1	("20050101761").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/25 10:21
S10 3	2514	208/115,135,140,251R,262.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/25 13:56



## EAST Search History

S10 4	3401	524/437,445.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/25 13:57
S10 5	1344	526/82,84,133.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/25 13:57
S10 6	2122	585/809,820,833,852,853.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/25 13:58
S10 7	1917	528/503.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/25 13:58
S10 8	2535	((halogen or bromine or chlorine) with (olefin or polyolefin)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:00
S10 9	7	S103 and S108	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:00
S11 0	35	S104 and S108	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:00
S11 1	31	S105 and S108	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:00
S11 2	7	S106 and S108	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:00
S11 3	4	S107 and S108	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:00
S11 4	57986	((sorbent or adsorbent or (magnesium adj silicate) or (calcium adj silicate) or ((aluminum or aluminium) adj silicate)) or ((aluminum or aluminium) adj oxide) or clay).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:08
S11 5	4	S112 and S114	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:08
S11 6	2	S109 and S114	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:09
S11 7	12	S110 and S114	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:09
S11 8	2	S111 and S114	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:09

## EAST Search History

S11 9	1	S113 and S114	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/25 14:10
----------	---	---------------	------------------------------	----	----	------------------